The Industry Association of Building and Property Inspectors in WA – Inspect WA					
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Position Paper 01.2019					
	L	Delignification of Tile Battens			
Subject		Delignification of Tile Battens – Impact on the structural			
,		integrity of a residential property when inspected and			
		reported on within the context of a Pre Purchase Building			
		Inspection conducted within the terms of AS 4349.1			
Association Position		Delignification of tile battens alone is not considered to be			
		major structural defect within the terms of a structural			
		defect within the context of a Pre Purchase Building			
		Inspection conducted within the terms of AS 4349.1 and as			
		such within the ordinary course of pre purchase building			
		inspections should not be reported as such.			
Date Prepara	ation Commenced	July 2019			
	ed by Committee	July 2010			
	r Public Release				
	Paper Released	Concerns within the Association were raised that the			
	·	delignification of tile battens was being listed as a major			
		structural defect by some WA Building Inspectors			
Key	Tile batten	These are light timbers placed across rafters to which tiles			
Definitions	5 11 16 11	are nail or fasted to be kept in place.			
	Delignification	Delignification (Chemical Delignification) damage is most			
		commonly found in timber sections used as roof tile battens of buildings that are located in close proximity to the sea,			
		large chemical factories or major arterial roads that have			
		heavy traffic.			
		This term describes the deterioration of the lignin in timber			
		which is damaged by airborne chemicals. Lignin is the			
		natural glue that holds the fibres of wood together and is,			
		therefore, a major component of any wood. When the lignin			
		is broken down or damaged the fibres then detach from			
		each other creating a visible hairy surface to a section of the timber, as the delignification progresses the structure of			
		the timber, as the delignification progresses the structure of the timber section is weakened and therefore Chemical			
		Delignification is regarded as a structural pest of timber in			
		service.			
	Major Defect	A defect of sufficient magnitude where rectification has to			
	AS 4391.1	be carried out in order to avoid unsafe conditions, loss of			
	7.0 4001.1	utility or further deterioration of the property.			
		damily of futures determination of the property.			
	Structural	Physically distinguishable part of a structure.			
	element	NOTE: For example wall, columns, beam, connection			
	AS 4349.1 Structural Defect	"Structural Defects" means a fault or deviation from the			
	as defined by	intended structural performance of a building element and			
	REIWA	is a major defect to the building structure of sufficient			
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	Australian Standard pre- purchase structural inspection condition		magnitude where rectification has to be carried out in order to avoid unsafe conditions, loss of utility, or further deterioration of the building structure. Structural defects do not include any non-structural element, e.g., roof plumbing and roof covering, general gas, water and sanitary plumbing, electrical wiring, partition walls, cabinetry, windows, doors, trims, fencing, minor structures, non-structural damp issues, ceiling linings, floor coverings, decorative finishes such as plastering, painting, tiling etc, general maintenance, or spalling of masonry, fretting or mortar rusting.
	Scope of Inspection AS 4349.1 Appendix A Pere Purchase Structural Inspection		A3 SCOPE OF INSPECTION The inspection shall comprise visual assessment of accessible areas of the property to identify major defects to the building structure and to form an opinion regarding the general condition of the structure of the property
			NOTE: The structural report should not contain any assessment or an opinion regarding the following:
			(a) Any non-structural element , e.g., roof plumbing and roof covering, general gas, water and sanitary plumbing, electrical wiring, partition walls, cabinetry, windows, doors, trims, fencing, minor structures, non-structural damp issues, ceiling linings, floor coverings, decorative finishes such as plastering, painting, tiling, etc.
	Safety AS 43	hazard 49.1	The report shall identify any observed item that may constitute a present or imminent serious safety hazard.
eleme 2. Roof of 3. Roof f batter 4. Deligr		elemer 2. Roof c 3. Roof fr battens 4. Deligni	tters irrespective of the condition are not major structural nts overing and ceilings are non-structural elements ames are structural elements but the existence of tile s do not impact on the structural integrity of the roof frame. If it is batters should not be report as a major ral defect
Observations be a m 2. Deligning the delignment of the delignment		be a m 2. Deligni the del be a sa 2.3.	rorst case significant delignification within a property could ajor defect but not a major structural defect fication can represent a safety hazard where the extent of ignification where passage on the roof cover is considered to afety hazard
structural t being a str		What happed structural to being a structural to being a structural to be s	pections. Deens when severe delignification affects rafters or other simbers as well as the tile batons? Do we then submit this as ructural defect? Or would the terminology be major defect to ons and structural defect to the rafters etc?

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Comment [DCHW1]: Hi Arthur This paper only deals with Roof Tile battens. If a rafter is no longer structurally sound then the inspector needs to call it as a major structural defect. If the batters are defective, the inspector can call them a major defect.

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Signed Chairman

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